Attorney's Docket No.: 042390.P7311 PATENT

## **DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## METHOD AND APPARATUS FOR DETECTING MULTI-HIT ERRORS IN CACHE

						-
the specification	on of which					
<u>X</u>	is attached hereto.					
	was filed on					S
			on Number		<del>-</del>	
	and was ame	naea on	(if applicable	)	<b></b> •	
I acknowledge defined in Title I hereby claim any foreign ap below any fore	the duty to disclose all a 37, Code of Federal Reforeign priority benefits plication(s) for patent or ign application for patent on which priority is clai	information know egulations, Sect under Title 35, I inventor's certif nt or inventor's c	vn to me to be mate on 1.56. Jnited States Code icate listed below a	erial to pate , Section 1 nd have al	entabili 19(a)-( so iden	d), of
Prior Foreign /	, ,				Priorit <u>Claim</u>	•
(Numbe	er) (Cour	ntry)	(Day/Month/Year	Filed)	Yes	No
(Numbe	er) (Cour	ntry)	(Day/Month/Year	Filed)	Yes	No
(Numbe	er) (Cour	ntry)	(Day/Month/Year	Filed)	Yes	No

I hereby claim the benefit unde provisional application(s) listed		ode, Section 119(e) of any United States
(Application Number)	Filing Date	
(Application Number)	Filing Date	
application(s) listed below and, application is not disclosed in the paragraph of Title 35, United S information known to me to be	insofar as the subject mane prior United States applates Code, Section 112, material to patentability and became available between	Code, Section 120 of any United States after of each of the claims of this olication in the manner provided by the first I acknowledge the duty to disclose all is defined in Title 37, Code of Federal een the filing date of the prior application opplication:
(Application Number)	Filing Date	(Status patented, pending, abandoned)
(Application Number)	Filing Date	(Status patented, pending, abandoned)

I hereby appoint Farzad E. Amini, Reg. No. P42,261; Aloysius T. C. AuYeung, Reg. No. 35,432; Amy M. Armstrong, Reg. No. 42,265; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou. Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Yong S. Choi, Reg. No. P43,324; Thomas M. Coester, Reg. No. 39,637; Roland B. Cortes, Reg. No. 39,152; Barbara Bokanov Courtney, Reg. No. 42,442; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Robert Andrew Diehl, Reg. No. 40,992; Tarek N. Fahmi, Reg. No. 41,402; James Y. Go, Reg. No. 40,621; Richard Leon Gregory, Jr., Reg. No. 42,607; Dinu Gruia, Reg. No. P42,996; David R. Halvorson, Reg. No. 33,395; Thomas A. Hassing, Reg. No. 36,159; Phuong-Quan Hoang, Reg. No. 41,839; Willmore F. Holbrow III, Reg. No. P41,845; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Dag H. Johansen, Reg. No. 36,172; William W. Kidd, Reg. No. 31,772; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Darren J. Milliken, Reg. 42,004; Thinh V. Nguyen, Reg. No. 42,034; Kimberley G. Nobles, Reg. No. 38,255; Michael A. Proksch, Reg. No. 43,021; Babak Rediaian, Reg. No. 42,096; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Anand Sethuraman, Reg. No. P43,351; Charles E. Shemwell, Reg. No. 40,171; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; George G. C. Tseng, Reg. No. 41,355; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Stephen Warhola, Reg. No. 43,237; Charles T. J. Weigell, Reg. No. 43,398; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys, and James A. Henry, Reg. No. 41,064; Daniel E. Ovanezian, Reg. No. 41,236; Glenn E. Von Tersch, Reg. No. 41,364; and Chad R. Walsh, Reg. No. 43,235; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence	e to <u>David J. Kaplan</u>	, BLAKELY, SC	KOLOFF, TAYLOR &					
	(Name of Attorney or Agen							
	Wilshire Boulevard 7th Floor, Lo		90025 and direct					
elephone calls to <u>David J. Kaplan</u> , (408) 720-8598.  (Name of Attorney or Agent)								
	(Name of Attorney of Agent)							
	all statements made herein of m							
	information and belief are believe							
	te with the knowledge that willful							
	imprisonment, or both, under Se villful false statements may jeopa							
patent issued thereor		duize the validity of the	application of any					
patorit 100000 trioroor	••	,						
Full Name of Sole/Fi	rst Inventor Kevin X. Zhang							
	Kerin V. Zhang	- · · · · · · · · · · · · · · · · · · ·	1/22/09					
Inventor's Signature	Renn 1. Zourney	Date'	11-3191					
Residence Portland	Oregon (City State)	Citizenshin	China 115					
riesiderice <u>i ordana.</u>	(City, State)	Oluzoriomp	(Country)					
			` ''					
Post Office Address	14258 NW Tradewinds Street							
	Portland, OR 97229							
Full Name of Second	VJoint Inventor		•					
i dii Mario di Goddilo								
Inventor's Signature		Date						
_								
Residence	(0)*** 01-1-1	Citizenship	(04-)					
	(City, State)		(Country)					
Post Office Address								
- 001 Omoo 7 (ddi 000_								
-								
Full Name of Third/Jo	oint Inventor							
Inventor's Signature		Date						
Residence	Citizenship							
	(City, State)		(Country)					
Dook Office Add								
rost Office Address_								
-								

## Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in

dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.